

Figure 1

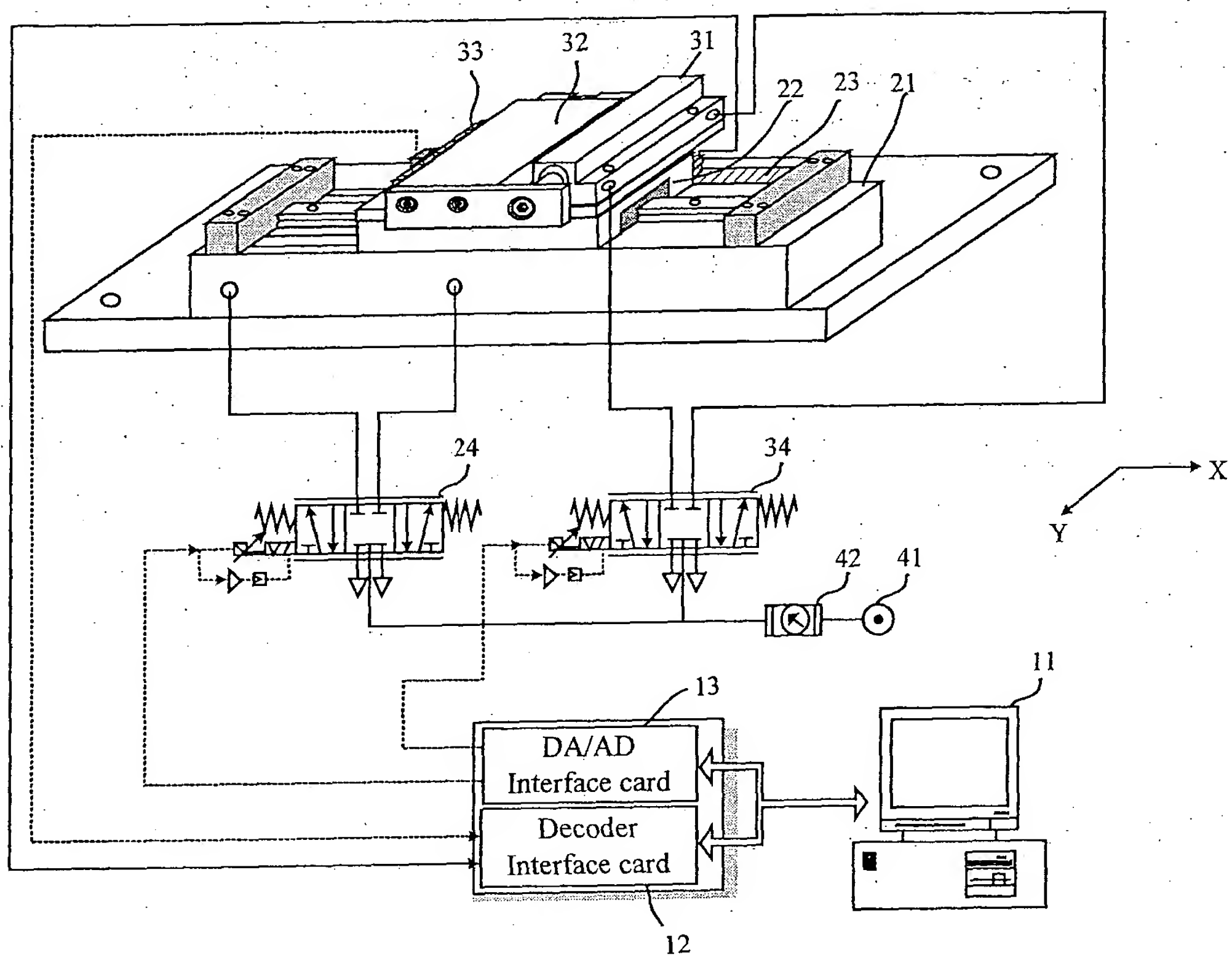
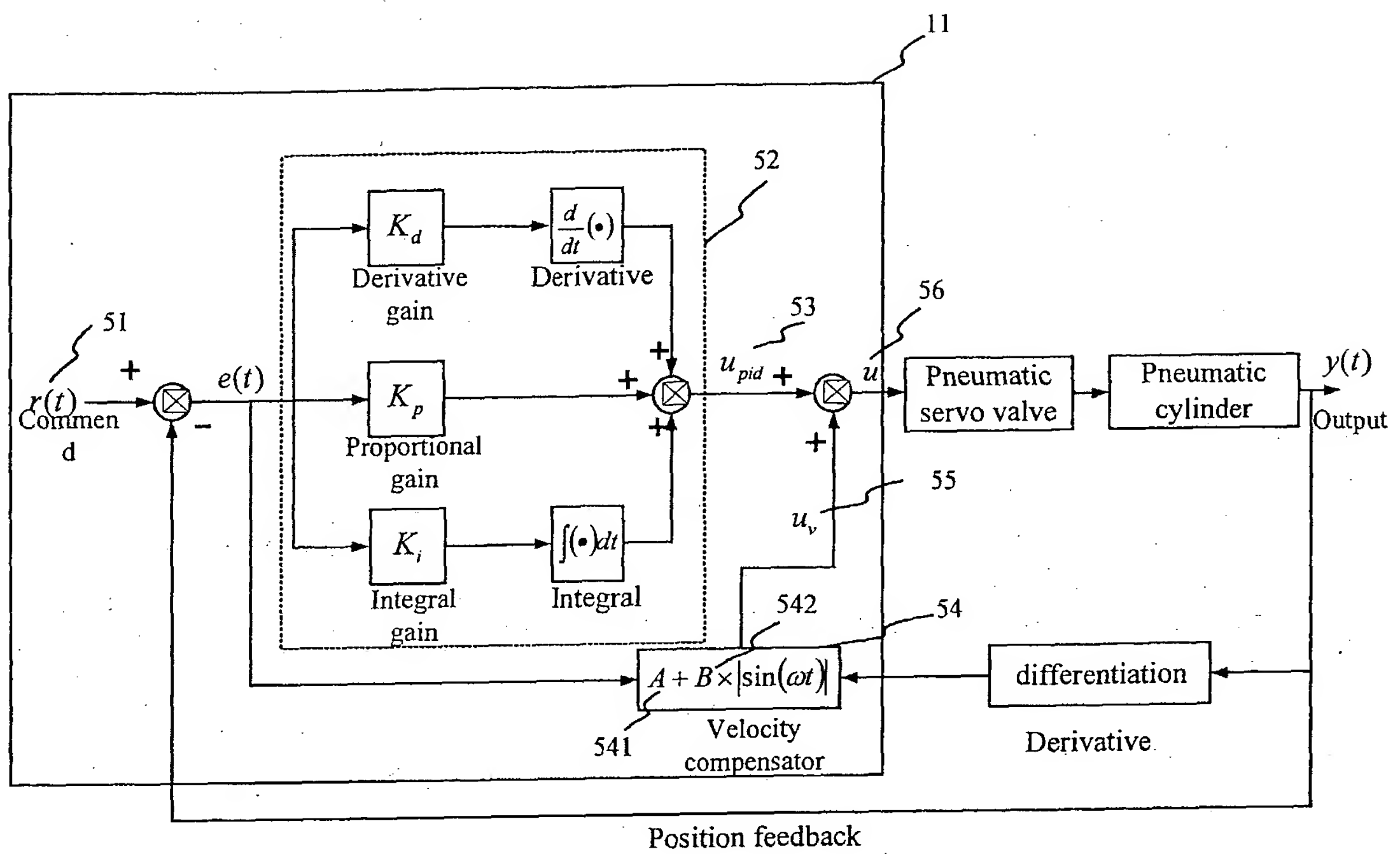


Figure 2



Position feedback

Figure 3

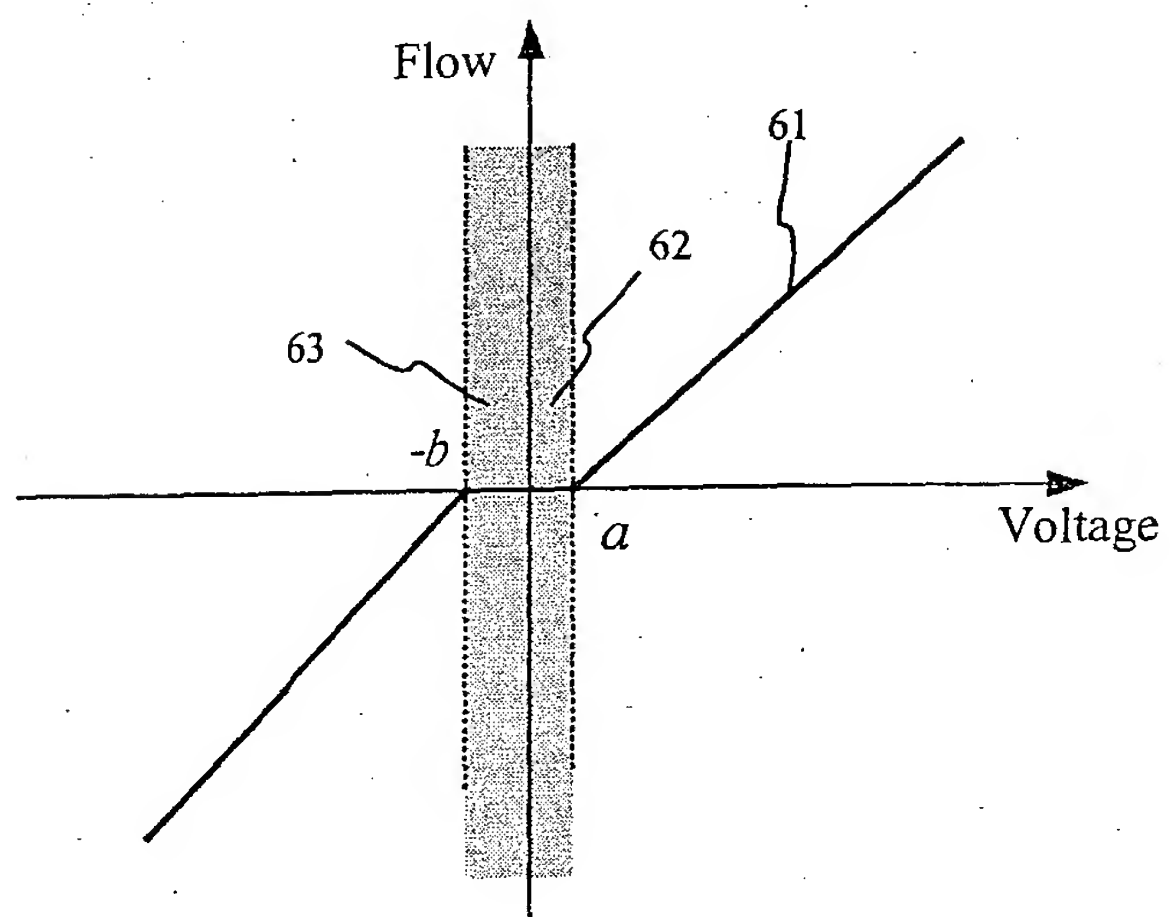


Figure 4

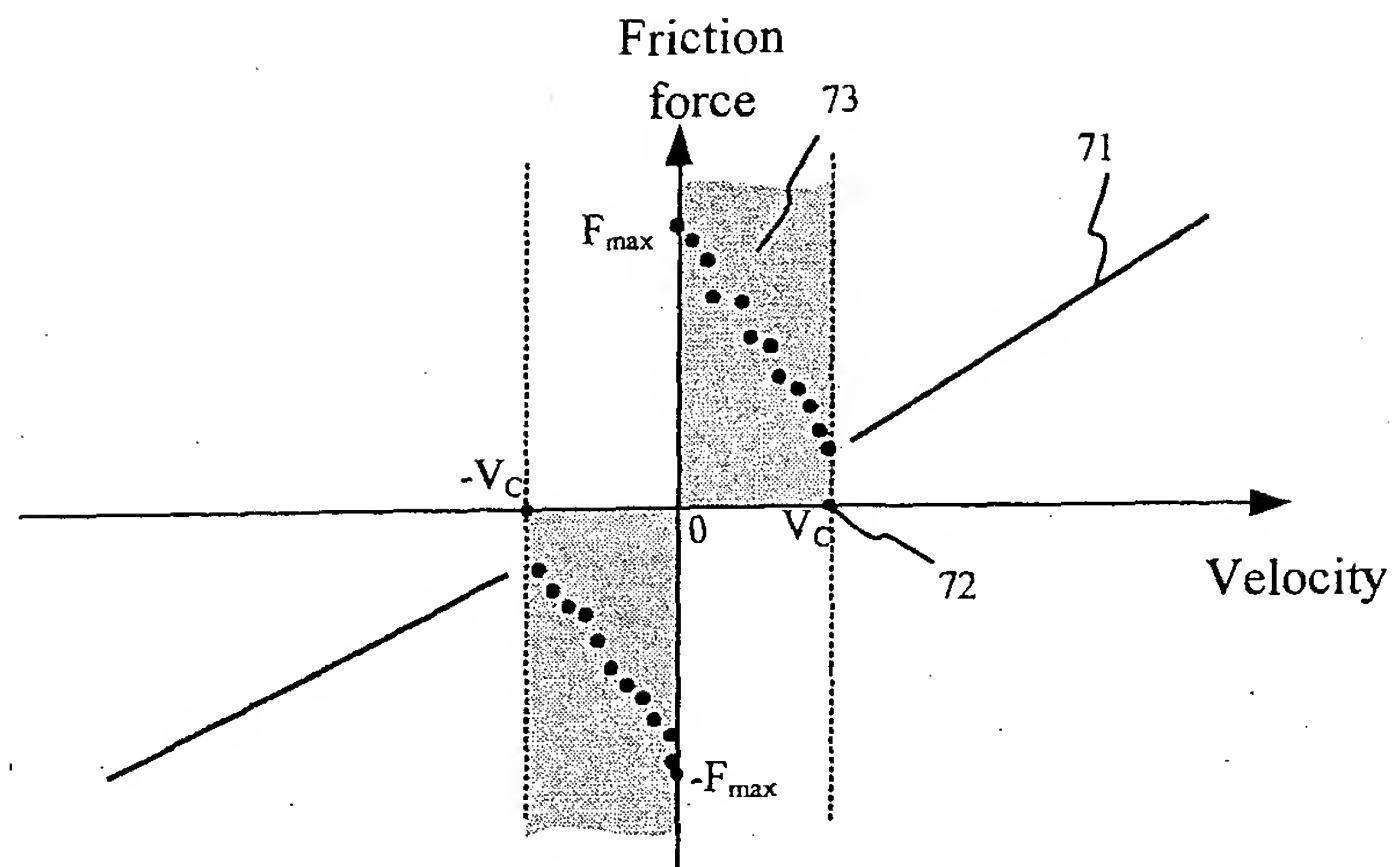


Figure 5

	541 Offset (A)	542 Amplitude (B)	Compensation signal $u_v$
$e(k) > 0;$ $ V(k)  < V_c$	$a$		551 $a + B \times  \sin(\omega t) $
$e(k) > 0;$ $ V(k)  > V_c$	0	0	0
$e(k) < 0;$ $ V(k)  < V_c$	$-b$		552 $-b + B \times  \sin(\omega t) $
$e(k) < 0;$ $ V(k)  > V_c$	0	0	0

Figure 6

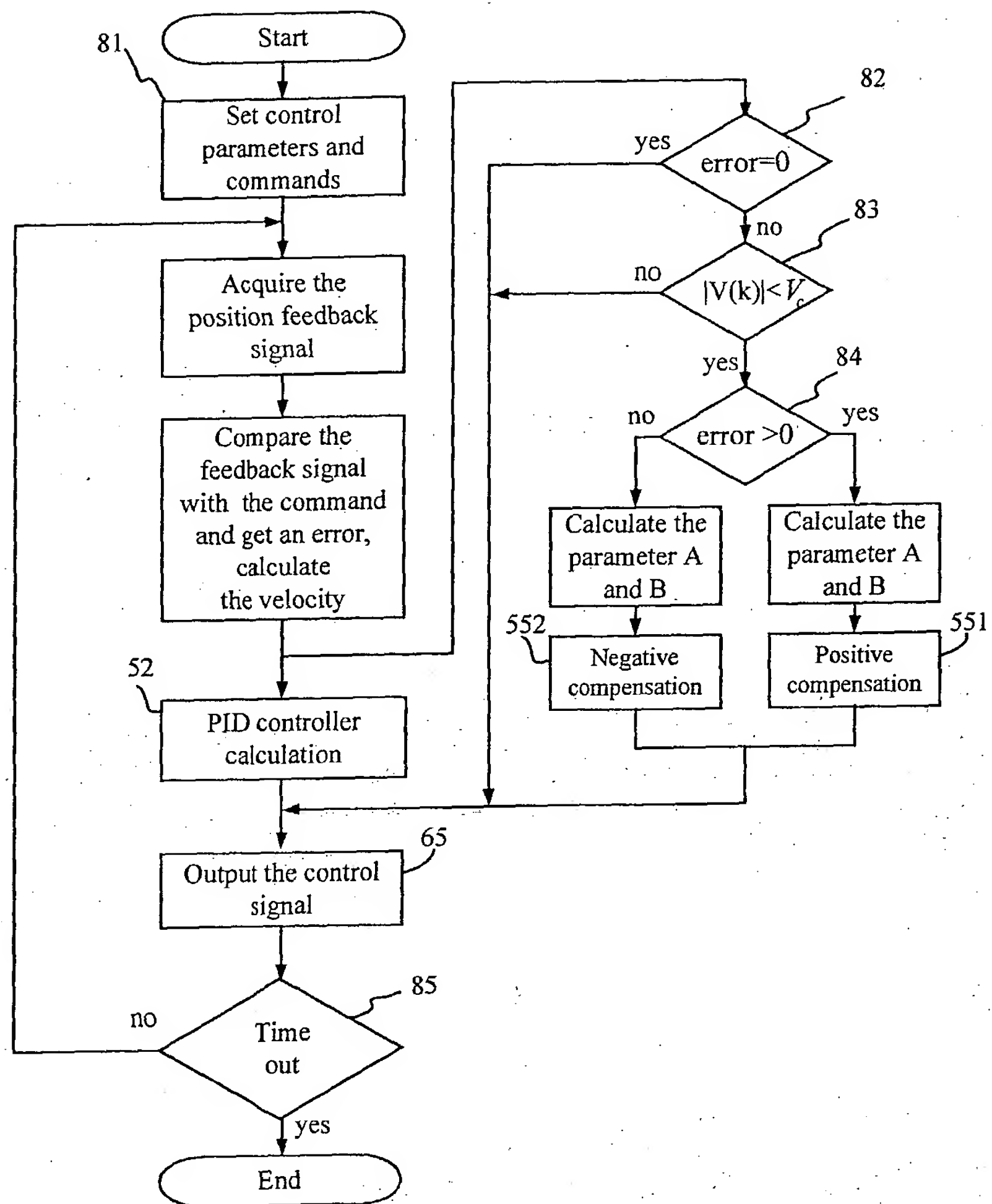


Figure 7

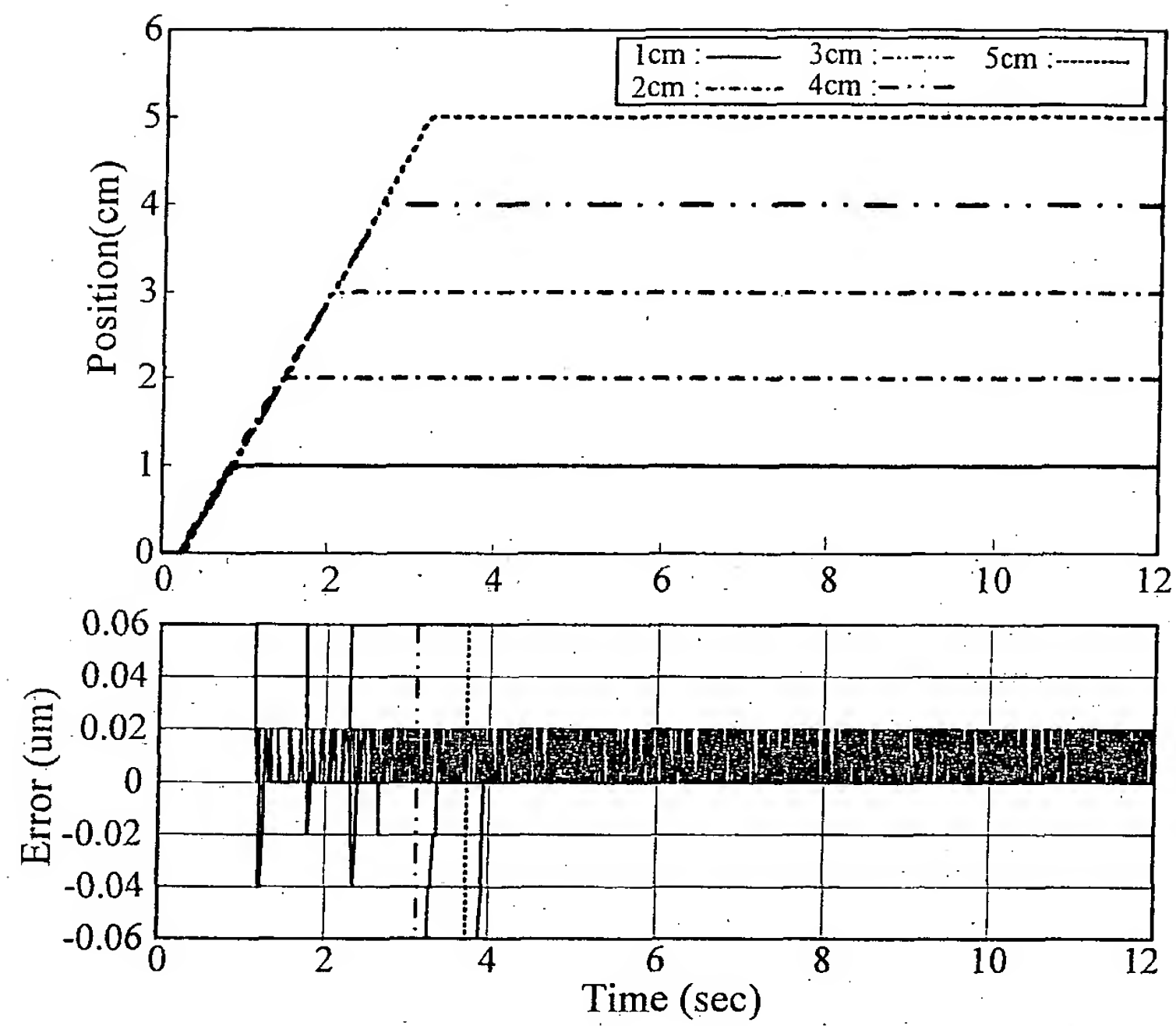


Figure 8

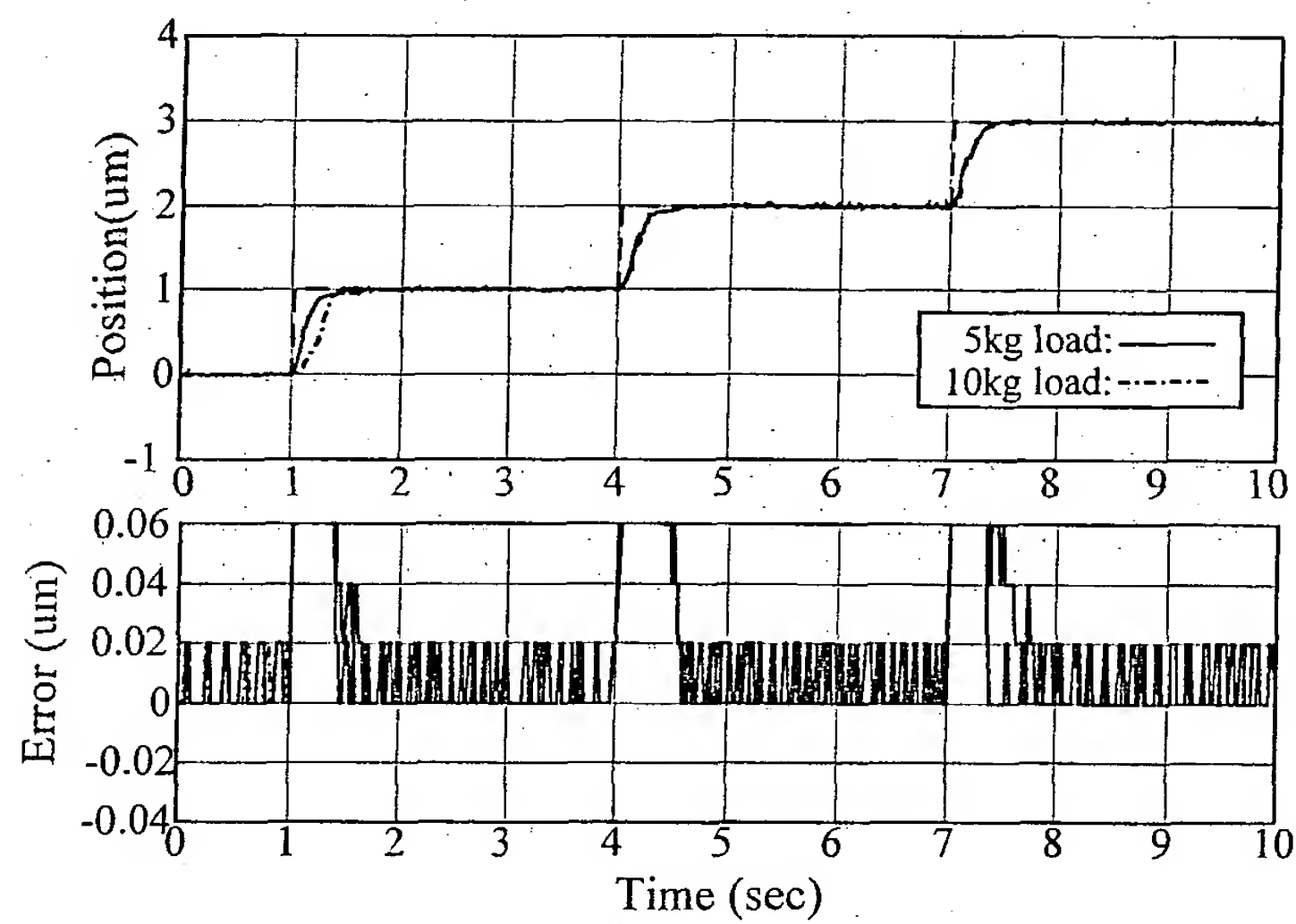


Figure 9